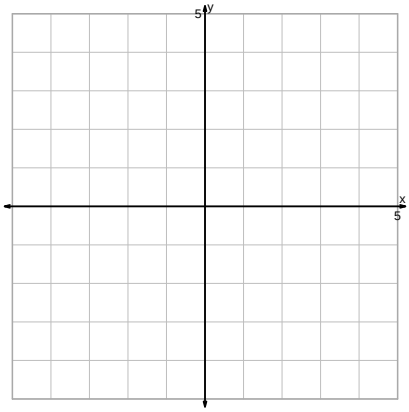
NAME: DATE:

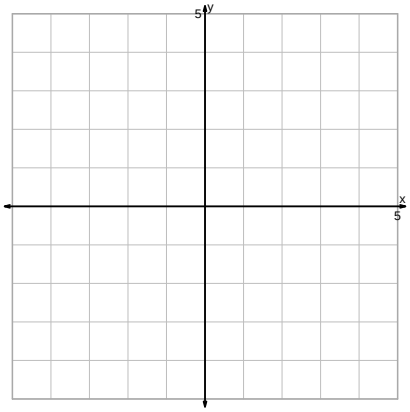
Unit-2 Reduced Mastery Assessment (version 302)

Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

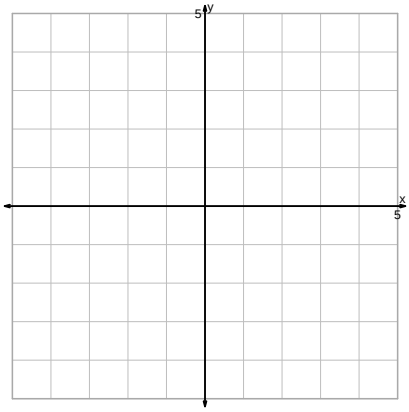
$y = \left(\frac{x}{2}\right)^2$

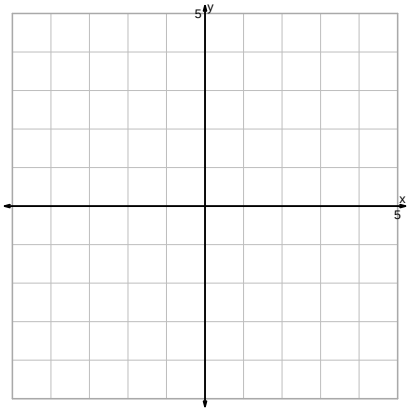




$y = (x+2)^3$

$y = 2 \cdot \log_2(x)$

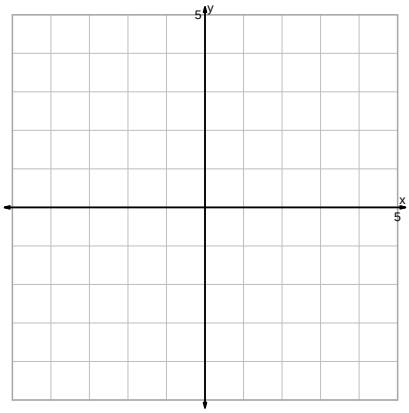


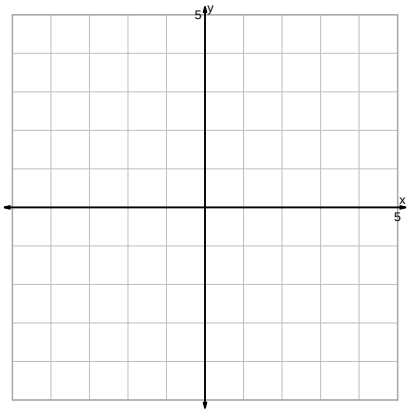


$y = 2^x - 2$

Question 2 continued...

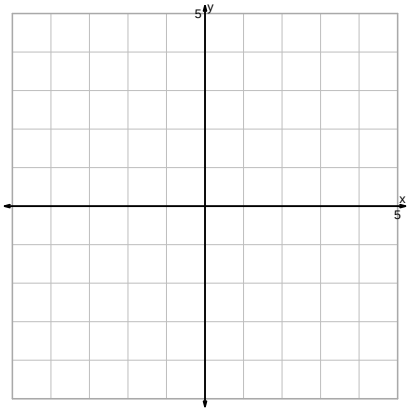
$y = \sqrt{x-2}$

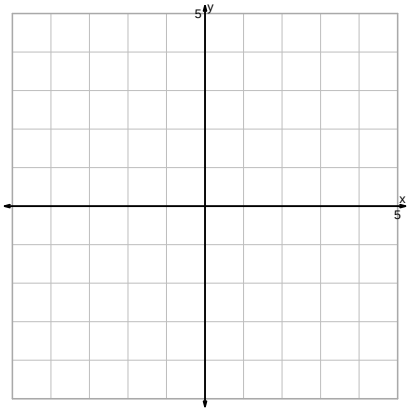




$y = \sqrt{-x}$

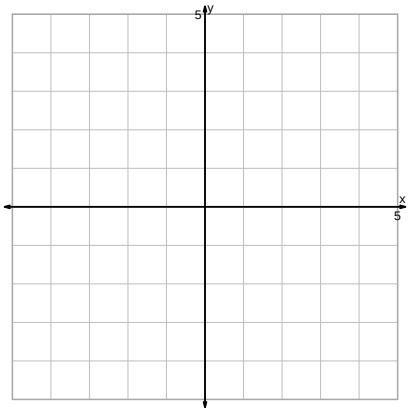
$y = \dfrac{x^3}{2}$

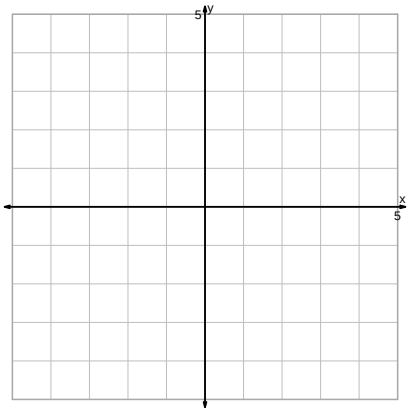




$y = \sqrt[3]{x} + 2$

$y = -\log_2(x)$

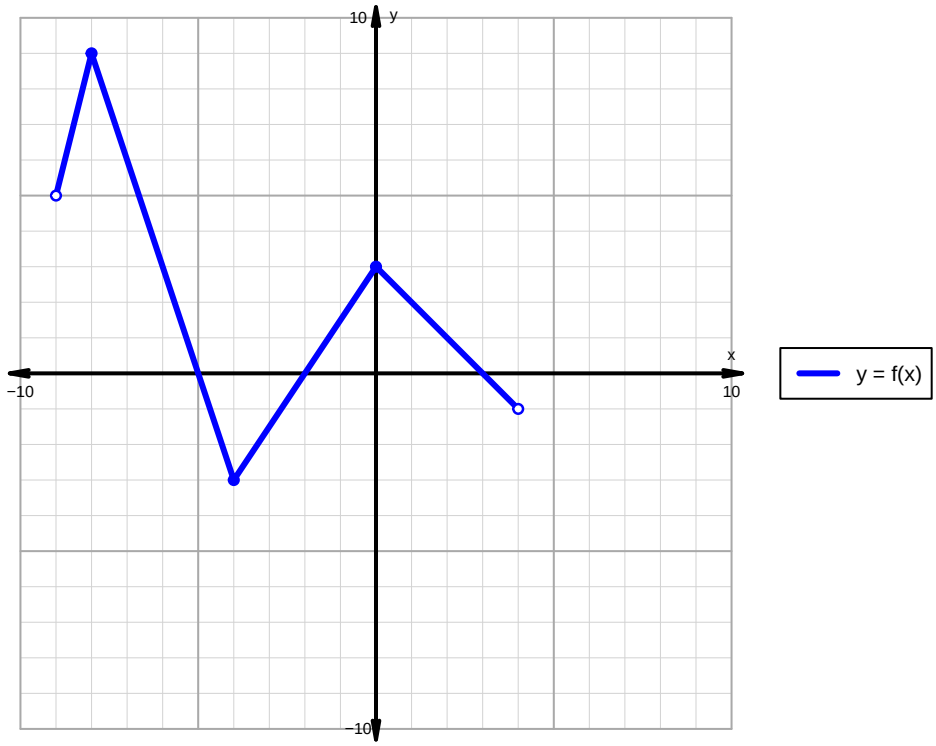




$y = (2x)^2$

Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	